

Chapter 7 Appendix 1

Date: June 26, 2003

Page: 1

ASB LOQAM Chapter 7 Appendix 1 Metals Analyte List Minimum Quantitation Limits by Matrices Revised 01/13/03				
ANALYTE	Water µg/L (ppb) ³	Soil/Sed mg/kg (ppm) ^{1, 3}	Waste mg/kg (ppm) ¹	Tissue mg/kg (ppm) ^{2, 3}
Antimony	2.0	2.0	6.0	0.2
Arsenic	2.0	1.0	6.0	0.2
Aluminum	500	50	250	50
Barium	10	1.0	2.0	1.0
Beryllium	5.0	0.5	2.0	0.5
Cadmium	1.0	0.5	2.0	0.1
Calcium	500	50	250	50
Cobalt	10	1.0	2.0	1.0
Chromium	10	1.0	2.0	1.0
Chrom., Hexavalent	10	0.4	consult lab	NA
Copper	10	1.0	3.0	1.0
Iron	250	25	50	25
Lead	2.0	0.5	10	0.2
Magnesium	250	25	50	25
Manganese	10	1.0	5.0	1.0
Mercury	0.2	0.05	0.05	0.02
Hg, Ultra-trace	1.0 ng/L	5 µg/kg	NA	5 µg/kg
Molybdenum	10	1.0	2.0	1.0
Nickel	20	2.0	4.0	2.0
Potassium	2000	200	500	200
Selenium	5.0	4.0	10	1.0
Sodium	2000	200	500	200
Strontium	10	1.0	5.0	1.0

Chapter 7 Appendix 1

Date: June 26, 2003

Page: 2

ASB LOQAM Chapter 7 Appendix 1 Metals Analyte List Minimum Quantitation Limits by Matrices Revised 01/13/03				
ANALYTE	Water µg/L (ppb) ³	Soil/Sed mg/kg (ppm) ^{1, 3}	Waste mg/kg (ppm) ¹	Tissue mg/kg (ppm) ^{2, 3}
Silver	10	1.0	2.0	1.0
Tin	25	2.5	15	NA
Titanium	10	1.0	5.0	1.0
Thallium	1.0	0.5	50	1.0
Vanadium	10	1.0	5.0	1.0
Yttrium	10	1.0	5.0	1.0
Zinc	10	1.0	5.0	1.0
Bismuth *				
Boron *				
Cerium *				
Gold *				
Lanthanum *				
Lithium *				
Silicon *				
Tellurium *				
Thorium *				
Uranium *				
Zirconium *				

Chapter 7 Appendix 1

Date: June 26, 2003

Page: 3

ASB LOQAM Chapter 7 Appendix 1 Metals Analyte List Minimum Quantitation Limits by Matrices Revised 01/13/03				
ANALYTE	Water µg/L (ppb) ³	Soil/Sed mg/kg (ppm) ^{1, 3}	Waste mg/kg (ppm) ¹	Tissue mg/kg (ppm) ^{2, 3}
SESD routinely performs TCLP and EP extractions and analyses. MQLs may increase due to variability of interferences that make dilutions of sample necessary. Sample sizes required for achieving the routine quantitation limits listed above:				
1	Detection limits are based on 1.0 grams of sample (on dry weight basis, % moisture will increase MQLs).			
2	Detection limits are based on 5.0 grams of sample.			
3	Units as specified unless otherwise noted			
*	These parameters are not usually requested or part of our routine scans. If, however, the need arises please contact ASB personnel.			